**Yelp Review Critiques**

**Team Members :**

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**Objective:**

To determine the count of positive and negative reviews for a particular business .

**Overview :**

Yelp connects people to great local businesses. To help people find great local businesses, Yelp

engineers have developed an excellent search engine to sift through over 61 million reviews and

help people find the most relevant businesses for their everyday needs.

We have taken up the data from yelp data challenge and since yelp does not provide / categorize the reviews into positive and negative, through this project we will achieve the same. Using the Business data and review data provided in <http://www.yelp.com/dataset_challenge> we will perform text mining and categorize the review for the specified business name as positive or negative and will also provide the count for the same.

A GUI will be created through which the user can enter the business name and the business name will be sent to the model which in turn will fetch the reviews from the review data based on the business id determined by the business name which is common in both business and review data. The reviews will then be categorized as positive and negative based on the positive/negative words used in the reviews. A counter will be maintained for the positive and negative words. The count and the categorization will be displayed as result.

**Datasets:**

* Business
* Review

**What do we plan to deliver at the end of the semester?**

To determine the positive and negative review counts which might help users to choose a particular business.

**How would we demo it and how the system will look like?**

Demo will be done through a GUI and it will show the following parameters:

Specified Business Name

Count of Positive and Negative reviews.

Categorizing the reviews to positive and negative.

**Challenges we will come across :**

* Categorizing the reviews
* Listing positive and negative words in a review

**Significance of the Challenges :**

* Categorizing should be done efficiently
* Accurate count of the positive and negative reviews
* Prediction should be precisely satisfactory

**Plan for addressing the challenges**

Planning to use text mining to categorize the reviews into positive and negative.

**How would we design and implement the solution**

**Design:** It will have the following modules

* Creating a blueprint of GUI
* Flowchart for all the modules

**Implementation:** It will have the following modules

* Categorizing the reviews
* Integrating it with the GUI

**Evaluation of our Project :**

It will be evaluated based on the accuracy of the Model

**How would we call it a success?**

The count of the positive and negative review counts should match the no of reviews in the input data.

**Partitioning of Tasks :**

Design : Nikita Sathish

Prediction Tool : Deepa Warrier & Nikita Sathish

GUI : Deepa Warrier